

EXECUTIVE SUMMARY

Date Summary Prepared: February 24, 2004

Mine Name: Koosharem	I.D. Number: M/031/002
Operator: Paradise Management, Inc.	Date Notice Received: October 30, 2000
Address: 905 North Main Fillmore, Utah 84631	County: Piute
	New/Existing: Status changing from SMO to LMO
	Mineral Ownership: BLM
Telephone: (435) 743-5848 – fax: (435) 743-5844	Surface Ownership: Forest Service
Contact Person: Don Fullmer	Lease No.(s):
	Permit Term: Life of Mine

Life of Mine: 20+ years.

Legal Description: Portions of the SE/4 of the SE/4 of Section 2, Township 27 South, Range 2 West, SLBM

Mineral(s) to be Mined: Clay

Acres to be Disturbed: 16 acres (12 acres are currently disturbed).

Present Land Use: Mining, grazing, wildlife habitat

Postmining Land Use: Grazing, wildlife habitat

Variances from Reclamation Standards (Rule R647) Granted: None.

Soils and Geology

Soil Description: Soils affected by this operation are classified as Typic Argiboroll. These soils are neutral to slightly alkaline. Soil depth ranges from 0 to 3 feet over the mine area, with an average of 10-12 inches available for salvage. Soils are placed in stockpiles and seeded with a temporary seed mix to stabilize the soil materials.

pH: Ranges from 7.2 - 7.6 pH units.

Special Handling Problems: Because the soil depth is quite variable, the Forest Service will be contacted so they can be on-site during soil stripping operations to assure all salvageable soil is stockpiled.

Geology Description: The geology of the area is classified as Osiris Tuff, Intracaldera Facies. This is of Miocene age, and includes ash, tuff and lava flows. This is part of the Monroe Peak Caldera.

Hydrology

Ground Water Description: Ground water has not been encountered in past mining and drilling. Depth to groundwater is unknown.

Surface Water Description: There are no drainages or surface waters on the area to be affected by this permit. The operation is within 800 feet of Lower Box Creek reservoir. Storm water runoff will not leave the disturbed area due to the slope directing all runoff into the pit.

Water Monitoring Plan: None required.

Ecology

Vegetation Type(s); Dominant Species: The vegetation at this site is a typical upland mountain community, dominated by Mountain big sagebrush, snowberry aspen, yarrow, sheep fescue and brome.

Percent Surrounding Vegetative Cover: Surrounding vegetation ground cover was determined using a point-intercept method. Average ground cover is 72%. Vegetation cover ranged from 50 to 90%. The reclamation standard for this mine is 70% of this, or 50.4% vegetation ground cover.

Wildlife Concerns: This area is summer range for many species of wildlife. Larger aspen stands may provide calving areas for elk or fawning areas for deer.

Surface Facilities:

No permanent surface facilities at this site. A fence or berm will be constructed as a barrier to keep people out of the highwall area.

Mining and Reclamation Plan Summary:

During Operations: There are no permanent structures associated with this operation. A berm or fence will be placed between the Forest Service road (public access to Box Creek Res.) and the pit wall to keep people off the pit high wall. Available topsoil is stripped and stockpiled in strategic locations to be used for reclamation. Overburden materials are also stockpiled. Clay is mined by ripping and dozing into stockpiles within the pit. The clay is then loaded into semi-trailers and hauled to market.

After Operations: All areas affected by this operation will be reclaimed. All equipment will be removed. Slopes of pit walls and waste dumps will be reduced to a 3h:1v slope. Disturbed areas will be ripped and 10-12 inches of topsoil will be reapplied. Topsoil will be amended with 5 ton/acre of composted manure. Areas will be seeded with an approved seed mix designed to meet the post mining land use of wildlife habitat and grazing.

Surety

Amount: \$55,700

Form: Unknown at this time

Renewable Term: 5 years – 2009 dollars

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